

Amendments to the Specification:

Please delete the Title page and replace with the amended Title page supplied as an attachment to this document.

Please replace the paragraph beginning on page 87, line 12 with the following amended paragraph:

In some embodiments, an automated method for assessing whether a subject is a good potential candidate for a specific cardiac procedure and/or treatment may be provided. Specific parameters may be input into a system by which to classify whether a patient is a good potential candidate for a specific cardiac procedure and/or treatment. In an embodiment, a system may automatically refine and update input parameters based on new data. For example, whether a subject is a good candidate for a revascularization procedure may be based up certain selection criteria (e.g., $\text{akinetiic area} > X$, ~~non-viable area~~ $\rightarrow Y$ non-viable area < Y). Selection criteria for left ventricle reconstruction may be based on a predetermined amount of non-viable tissue and/or a predetermined ejection fraction (e.g., $\text{EF} < 35\%$). Selection criteria for mitral valve repair may be based on relative papillary muscle distances, relative papillary muscle angles, and/or mitral regurgitation. Selection criteria for defibrillator therapy may be based on ejection fraction (e.g., $\text{EF} < 30\%$). Selection criteria for biventricular pacing may be based on QRS (e.g., $\text{QRS} > 150 \text{ ms}$) and/or EDV. Detection/diagnosis of hypertrophic heart failure may be based on EDV and/or existence and/or extent of non-viable heart tissue. Effectiveness of drug regiments (i.e., treatments) may be based on predetermined criteria such as ventricular contraction and/or peak ejection velocity relative to pre-treatment levels.